CUE 04-0039

OMB Control # 2060-0482

For EPA Use Only ID # _____

SECTOR _____

Worksheet 5. Application Summary

This worksheet will be posted on the web to notify the public of requests for critical use exemptions beyond the 2005 phase out for methyl bromide. Therefore, this worksheet cannot be claimed as CBI.

1. **Consortium Name:** Michigan Seedling Growers
2. **Location:** Michigan
3. **Crop:** Conifer and deciduous seedlings and transplants
4. **Pounds of Methyl Bromide Requested** 2007 12000 lbs.
5. **Acres Treated with Methyl Bromide** 2007 50 Acres
6. **If methyl bromide is requested for additional years, reason for request:**

We are still conducting research into alternatives. We hope to have some workable alternatives to begin using in 2006-2007, but anticipate that it may take more time to expand the use of the alternatives.

2006	15229	**lbs.**	**Area Treated**	64	**Acres**
2007		**lbs.**	**Area Treated**		**Acres**
2008		**lbs.**	**Area Treated**		**Acres**

Place an "X" in the column(s) labeled "Not Technically Feasible" and/or "Not Economically Feasible" where appropriate. Use the "Reasons" column to describe why the potential alternative is not feasible.

Potential Alternatives	Not Technically Feasible	Not Economically Feasible	Reasons
1,3 D Dichloropropene	x	x	Can't be used where certain weeds, diseases are a problem
1,3-D Dichloropropene, Chloropicrin	x	x	Can't be used where certain weeds are a problem; expect similar costs as Telone II
1,3-D Dichloropropene, metam sodium	x		Metam sodium- erratic control, can't use in urbanized areas
Chloropicrin	x		Does not control nematodes or weeds adequately
metam sodium	x		Metam sodium- erratic control, can't use in urbanized areas
metam sodium, chloropicrin	x		Metam sodium- erratic control, can't use in urbanized areas
metam sodium, crop rotation	x		Metam sodium- erratic control, can't use in urbanized areas
biofumigation	x		Doesn't control weeds adequately. Won't produce pest and pathogen-free plants for growing
solarization	x		not feasible under Michigan field conditions
steam	x	x	steaming slow; best suited to small acreages; continuous cropping. Initial capital investment high
biological control			no biological controls developed to cover all the pests

Potential Alternatives	Not Technically Feasible	Not Economically Feasible	Reasons
crop rotation/fallow	x		doesn't adequately control target pests.
flooding and water	x		
general IPM	x		doesn't adequately control target pests.
grafting, resist. rootstock, plant	x		none of the perennials grown are grafted; very few resistant
soilless culture, substrates,		x	very high initial costs to convert from field use to growing in
organic amendments, compost	x		Doesn't control target pests- pest-and pathogen free plants